

# Computer Users' Group

CONCORDIA  
UNIVERSITY



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	CUG	
	NEWS	
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November 1983 Vol 5 No 2

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	PRIVATE TUTORS		
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The Computer Users' Group is currently recruiting both tutees and qualified tutors for private consultations in the field of Computer Science. If you are having problems with a programming language or theory, it is still early in the semester to set the record straight. Hourly fees are set at a standard \$10 an hour, but may vary according to the financial ability of the tutee to pay.

Whether you wish to receive or provide help, contact the Computer Users' Group at the below address and tutorial sessions will be arranged as soon as possible in your area of concern.

Contact the Computer Users' Group at Room H-983 of the Hall Building or use our account number CCUSC51 and drop us a letter. (Telephone : 879-7329)

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	BELL TRIP		
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The first Computer Users' Group field trip was held on October 6 to the BELL Computing Centre in Dorval. Upon arrival at BELL, an introductory session was held and small groups of students were assembled for personalized guides through the computing facilities. Afterwards, refreshments were served, and software personnel were on hand to answer any questions. Two hours well spent!

These trips and others are planned to promote student awareness outside the academic environment and to introduce the student to working personnel in the field of Computer Science. These outings are FREE, outside of transportation costs, and certainly enhance your learning experience at Concordia University.

Watch for future notices on upcoming events.

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	GRAPHICS		
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The new Programmer-on-Duty office is located in H-920-1 in front of the Computer Center.

At a recent committee meeting attended by this C.U.G. executive, an urgent appeal was made to upgrade the graphic equipment available at Concordia University. Computer Aided Design/Computer Aided Machinery (CAD/GAM) Systems are fast

becoming a major force in industry, education, and graphic design. The applications are boundless. Be it architecture, electronic circuits, or commercial advertising, CAD/CAM Systems provide the most startling and realistic dimension of the computer to date.

Yet, at Concordia University, graphics is essentially restricted to those in Computer Science. The ONE course offered is restricted further to 25 undergraduate AND graduate students. These 25 students must then juggle their schedules for the only TWO Tektronix graphic terminals available in the entire University. To say the least, a very sad and undesirable problem exists.

To be fair, a research graphics centre operates under the control of the Centre for Building Studies (CBS). The equipment is up-to-date, but unfortunately, on hands access is limited to very few.

From the Faculties of Fine Arts to Engineering and Computer Science, a general need (plea) exists, and if that need is not satisfied soon, Concordia University will most surely pass up any opportunity to react positively to this growing tide.

NOS 2 CCL

As mentioned by BUG NEWS, we are training NOS 2 CCL. A good solution for replacing the GOTO commands in your procedure files is to use the SKIP command (since GOTO is not supported by NOS 2 CCL).

The SKIP command reads, but does not process, commands up to an ENDIF command with a matching string. The format of the command is:

SKIP,string.

.....

ENDIF,string.

The strings MUST match.

CUG NEWS ARTICLES

The Computer Users' Group is looking for people interested in writing articles in the 'CUG NEWS'.

If you are one of those who would like to write one or more articles, here is what you should do:

1) Edit the article in your account. The format used should be as straightforward as possible. The punctuation should be limited to periods, commas and colons.

2) Permit CUG to get it by typing 'PERMIT,myfile,CCUSC51'.

3) Send us a letter giving the name of your file through MAILBOX. Our account is CCUSC51.

If your article is judged to be acceptable by CUG it will be published. If you want to know what's happening to your article, you can ask it through 'MAILBOX', drop by our office (H-983) or phone us (879-7329).

START ASSUMED,END ASSUMED

People writing fortran programs on the JEF system often run into this problem, which is a fatal error.

Those of you to whom this has happened know that the reason this

occurred is because there are one or several blank, comment, or program lines after their last END statement. The remedy is thus simply to remove these extra lines, and with a bit of luck the program should run normally.

However, it may not be clear to most people why this should occur. After all, adding a few blank lines after the program shouldn't have any effect, should it? It does, and the reason is quite simply that FORTRAN specifies that the last line in a program must be an END. If anything occurs after this statement, then a subroutine or function is assumed to be starting. If there isn't a subprogram following, then the start and the end of the subprogram is assumed, thus giving the error.

I would like to thank the people in the Computer Center (Hall Building) for giving me this info.

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|       SPRUCE       |  
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#### PURPOSE:

This PROCEDURE takes as input a

PASCAL source program and reformats it. The resulting program consists of the same sequence of PASCAL symbols and comments, but they are rearranged with respect to line boundaries and columns for readability. If necessary, SPRUCE will indent the lines to reflect the syntactic level of the statements and declarations, and more.

The Computer Users' Group has a complete documentation on what SPRUCE can do and how to do it.

The control cards to run SPRUCE and to ask for more documentation are as follows:

#### TO RUN SPRUCE:

FETCH,SPRUCE/UN=CCUSC51.  
SPRUCE,I=<input>,L=<output>.

Where I=<input> is the name of the PASCAL source program to be pretty printed and L=<output> is the name of the file which is to receive the final pretty printed program.

#### TO ASK FOR DOCUMENTATION:

OLD,SPRUCE/UN=CCUSC51.  
LIST.